

Claims

What is claimed is:

1. A method for manufacturing an airbag cushion, said method comprising the steps of:

5 providing at least one fabric blank;
forming a three-dimensional airbag cushion structure including said at least one fabric blank, wherein said airbag cushion structure includes at least one seam;
wherein said seam is formed from a tri-stitch fold-over seam
10 structure.

2. The method set forth in claim 1, further including the steps of:
providing a second fabric blank, and forming said three-dimensional structure by attaching said one fabric blank to said second fabric blank.

15

3. The method set forth in claim 1, further including the step of applying a coating to at least one surface of said airbag cushion.

4. The method set forth in claim 3, wherein said coating comprises at
20 least 70% silicone resin in an amount of about 0.5 to 2.0 oz/sq. yd.

5. The method set forth in claim 1, wherein said at least one fabric blank includes multifilament yarns having a tenacity of no greater than about 60 cN/tex.

6. The method set forth in claim 1, wherein said at least one fabric blank includes multifilament yarns having a tenacity of no greater than about 55 cN/tex.

5

7. The method set forth in claim 1, wherein said at least one fabric blank includes multifilament yarns having a tenacity of no greater than about 50 cN/tex.

10 8. The method set forth in claim 1, wherein said at least one fabric blank includes multifilament yarns having a tenacity of no greater than about 45 cN/tex.

9. The method set forth in claim 1, wherein said at least one fabric
15 blank includes multifilament yarns having a tenacity of no greater than about 40 cN/tex.

10. A method for manufacturing an airbag cushion, said method comprising the steps of:

20 providing at least one fabric blank;

forming a three-dimensional airbag cushion structure including said at least one fabric blank, wherein said airbag cushion structure includes at least one seam; and

wherein said seam is formed from a double-stitch fold-over seam structure.

11. The method set forth in claim 10, further including the steps of:

5 providing a second fabric blank, and forming said three-dimensional structure by attaching said one fabric blank to said second fabric blank.

12. The method set forth in claim 10, further including the step of applying a coating to at least one surface of said airbag cushion.

10

13. The method set forth in claim 12, wherein said coating comprises at least 70% silicone resin in an amount of about 0.5 to 2.0 oz/sq. yd.

14. The method set forth in claim 10, wherein said at least one fabric
15 blank includes multifilament yarns having a tenacity of no greater than about 60 cN/tex.

15. The method set forth in claim 10 wherein said at least one fabric
blank includes multifilament yarns having a tenacity of no greater than
20 about 55 cN/tex.

16. The method set forth in claim 10 wherein said at least one fabric
blank includes multifilament yarns having a tenacity of no greater than
about 50 cN/tex.

17. The method set forth in claim 10, wherein said at least one fabric blank includes multifilament yarns having a tenacity of no greater than about 45 cN/tex.

5

18. The method set forth in claim 10, wherein said at least one fabric blank includes multifilament yarns having a tenacity of no greater than about 40 cN/tex.

10